

# Flavio Keller

## List of Publications by Year in descending order

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89  
papers

3,846  
citations

147726

31  
h-index

133188

59  
g-index

90  
all docs

90  
docs citations

90  
times ranked

3694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early derailment of firing properties in CA1 pyramidal cells of the ventral hippocampus in an Alzheimer's disease mouse model. <i>Experimental Neurology</i> , 2022, 350, 113969.	2.0	16
2	Nilotinib restores memory function by preventing dopaminergic neuron degeneration in a mouse model of Alzheimer's Disease. <i>Progress in Neurobiology</i> , 2021, 202, 102031.	2.8	46
3	Embodying melody through a conducting baton: a pilot comparison between musicians and non-musicians. <i>Experimental Brain Research</i> , 2020, 238, 2279-2291.	0.7	2
4	The Efficiency of Gene Electrotransfer in Breast-Cancer Cell Lines Cultured on a Novel Collagen-Free 3D Scaffold. <i>Cancers</i> , 2020, 12, 1043.	1.7	16
5	Motor performance in a shape sorter task: A longitudinal study from 14 to 36 months of age in children with an older sibling ASD. <i>PLoS ONE</i> , 2019, 14, e0217416.	1.1	9
6	Changes in vitreal protein profile and retina mRNAs in Reeler mice: NGF, IL33 and Müller cell activation. <i>PLoS ONE</i> , 2019, 14, e0212732.	1.1	5
7	A Novel 3D Scaffold for Cell Growth to Assess Electroporation Efficacy. <i>Cells</i> , 2019, 8, 1470.	1.8	7
8	Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. <i>Molecular Neurobiology</i> , 2018, 55, 7921-7940.	1.9	28
9	The Robustness of Musical Language: A Perspective from Complex Systems Theory. <i>History, Philosophy and Theory of the Life Sciences</i> , 2018, , 207-217.	0.4	1
10	Dopamine loss alters the hippocampus-nucleus accumbens synaptic transmission in the Tg2576 mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2018, 116, 142-154.	2.1	50
11	A new research method to test auditory preferences in young listeners: Results from a consonance versus dissonance perception study. <i>Psychology of Music</i> , 2017, 45, 699-712.	0.9	9
12	Dopamine neuronal loss contributes to memory and reward dysfunction in a model of Alzheimer's disease. <i>Nature Communications</i> , 2017, 8, 14727.	5.8	308
13	A sensor-based approach to study sound perception in children. <i>International Journal of Computer Applications in Technology</i> , 2017, 55, 173.	0.3	1
14	A sensor-based approach to study sound perception in children. <i>International Journal of Computer Applications in Technology</i> , 2017, 55, 173.	0.3	1
15	Performance of Motor Sequences in Children at Heightened vs. Low Risk for ASD: A Longitudinal Study from 18 to 36 Months of Age. <i>Frontiers in Psychology</i> , 2016, 7, 724.	1.1	24
16	Current Progress of Reelin in Development, Inflammation and Tissue Remodeling: From Nervous to Visual Systems. <i>Current Molecular Medicine</i> , 2016, 16, 620-630.	0.6	5
17	NGF Expression in Reelin-Deprived Retinal Cells: A Potential Neuroprotective Effect. <i>NeuroMolecular Medicine</i> , 2015, 17, 314-325.	1.8	9
18	Characterization of NGF, trkA <sup>NGFR</sup> , and p75 <sup>NTR</sup> in Retina of Mice Lacking Reelin Glycoprotein. <i>International Journal of Cell Biology</i> , 2014, 2014, 1-13.	1.0	10

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19	Technological Solutions and Main Indices for the Assessment of Newborns'™ Nutritive Sucking: A Review. <i>Sensors</i> , 2014, 14, 634-658.	2.1	39
20	Associations among exposure to methylmercury, reduced Reelin expression, and gender in the cerebellum of developing mice. <i>NeuroToxicology</i> , 2014, 45, 67-80.	1.4	25
21	Development of goal-directed action selection guided by intrinsic motivations: an experiment with children. <i>Experimental Brain Research</i> , 2014, 232, 2167-2177.	0.7	21
22	Posture Development in Infants at Heightened versus Low Risk for Autism Spectrum Disorders. <i>Infancy</i> , 2013, 18, 639-661.	0.9	84
23	Ecological Sucking Monitoring of Newborns. <i>IEEE Sensors Journal</i> , 2013, 13, 4561-4568.	2.4	18
24	The 'Mechatronic Board' A Tool to Study Intrinsic Motivations in Humans, Monkeys, and Humanoid Robots. , 2013, , 411-432.		5
25	Focusing on the Interactions between the GABAergic System and Neurosteroids in Neurodevelopmental Disorders. <i>Current Pharmaceutical Design</i> , 2013, 19, 6491-6498.	0.9	9
26	Embedding inertial-magnetic sensors in everyday objects: Assessing spatial cognition in children. <i>Journal of Integrative Neuroscience</i> , 2012, 11, 103-116.	0.8	23
27	Sensor-based technology in the study of motor skills in infants at risk for ASD. , 2012, , 1879-1883.		20
28	A mechatronic platform for behavioral analysis on nonhuman primates. <i>Journal of Integrative Neuroscience</i> , 2012, 11, 87-101.	0.8	12
29	A mechatronic platform for behavioral studies on infants. , 2012, , .		3
30	Epistemological Foundation of Biometrics. <i>The International Library of Ethics, Law and Technology</i> , 2012, , 23-47.	0.2	4
31	Inertial-Magnetic Sensors for Assessing Spatial Cognition in Infants. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1499-1503.	2.5	20
32	Multimodal Ecological Technology: From Child's™ Social Behavior Assessment to Child-Robot Interaction Improvement. <i>International Journal of Social Robotics</i> , 2011, 3, 69-81.	3.1	5
33	Motor adaptation during redundant tasks with the wrist. , 2011, 2011, 4046-9.		4
34	Kinematic analysis of the human wrist during pointing tasks. <i>Experimental Brain Research</i> , 2010, 201, 561-573.	0.7	37
35	Instrumented toys for assessing spatial cognition in infants. <i>Frontiers of Mechanical Engineering in China</i> , 2010, 6, 82.	0.4	2
36	Perseverative responding and neuroanatomical alterations in adult heterozygous reeler mice are mitigated by neonatal estrogen administration. <i>Psychoneuroendocrinology</i> , 2010, 35, 1374-1387.	1.3	56

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37	The Male Prevalence in Autism Spectrum Disorders: Hypotheses on its Neurobiological Basis. , 2010, , 13-28.		4
38	Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. Neurobiology of Disease, 2009, 36, 103-115.	2.1	70
39	Reelin haploinsufficiency reduces the density of PV+ neurons in circumscribed regions of the striatum and selectively alters striatal-based behaviors. Psychopharmacology, 2009, 204, 511-521.	1.5	34
40	Gene-environment interaction during early development in the heterozygous reeler mouse: Clues for modelling of major neurobehavioral syndromes. Neuroscience and Biobehavioral Reviews, 2009, 33, 560-572.	2.9	73
41	Animal models of autism spectrum disorders: Information for neurotoxicologists. NeuroToxicology, 2009, 30, 811-821.	1.4	40
42	Impaired nerve regeneration in <i>reeler</i> mice after peripheral nerve injury. European Journal of Neuroscience, 2008, 27, 12-19.	1.2	16
43	A Modular Platform for In-plane Ground Reaction Forces Detection in a Mouse Model: Design, Development and Verification. Advanced Robotics, 2008, 22, 141-157.	1.1	3
44	Interaction between Genetic Vulnerability and Neurosteroids in Purkinje cells as a Possible Neurobiological Mechanism in Autism Spectrum Disorders. , 2008, , 209-231.		1
45	A mechatronic platform for early diagnosis of neurodevelopmental disorders. Advanced Robotics, 2007, 21, 1131-1150.	1.1	13
46	WearCam: A head mounted wireless camera for monitoring gaze attention and for the diagnosis of developmental disorders in young children. , 2007, , .		25
47	Reelin is transiently expressed in the peripheral nerve during development and is upregulated following nerve crush. Molecular and Cellular Neurosciences, 2006, 32, 133-142.	1.0	28
48	Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. European Journal of Neuroscience, 2006, 24, 2061-2070.	1.2	54
49	Paradoxical effects of prenatal acetylcholinesterase blockade on neuro-behavioral development and drug-induced stereotypies in reeler mutant mice. Psychopharmacology, 2006, 187, 331-344.	1.5	63
50	A 3D model of Reelin subrepeat regions predicts Reelin binding to carbohydrates. Brain Research, 2006, 1116, 222-230.	1.1	9
51	Towards Development of Biomechatronic Tools for Early Diagnosis of Neurodevelopmental Disorders. , 2006, 2006, 3242-5.		8
52	Inertial/Magnetic Sensors Based Orientation Tracking on the Group of Rigid Body Rotations with Application to Wearable Devices. , 2006, , .		16
53	Towards Development of Biomechatronic Tools for Early Diagnosis of Neurodevelopmental Disorders. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
54	Enhanced APOE2 transmission rates in families with autistic probands. Psychiatric Genetics, 2004, 14, 73-82.	0.6	29

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55	The Neurobiological Context of Autism. <i>Molecular Neurobiology</i> , 2003, 28, 1-22.	1.9	96
56	Methodological factors influencing measurement and processing of plasma reelin in humans. <i>BMC Biochemistry</i> , 2003, 4, 9.	4.4	57
57	Reelin Promotes Peripheral Synapse Elimination and Maturation. <i>Science</i> , 2003, 301, 649-653.	6.0	30
58	Reduced programmed cell death in brains of serotonin transporter knockout mice. <i>NeuroReport</i> , 2003, 14, 341-344.	0.6	57
59	Reelin Is a Serine Protease of the Extracellular Matrix. <i>Journal of Biological Chemistry</i> , 2002, 277, 303-309.	1.6	137
60	Serotonin transporter gene promoter variants do not explain the hyperserotonemia in autistic children. <i>Molecular Psychiatry</i> , 2002, 7, 795-800.	4.1	48
61	Barrel Pattern Formation Requires Serotonin Uptake by Thalamocortical Afferents, and Not Vesicular Monoamine Release. <i>Journal of Neuroscience</i> , 2001, 21, 6862-6873.	1.7	210
62	No association between the 4G/5G polymorphism of the plasminogen activator inhibitor-1 gene promoter and autistic disorder. <i>Psychiatric Genetics</i> , 2001, 11, 99-103.	0.6	9
63	Reelin gene alleles and haplotypes as a factor predisposing to autistic disorder. <i>Molecular Psychiatry</i> , 2001, 6, 150-159.	4.1	314
64	Lack of association between serotonin transporter gene promoter variants and autistic disorder in two ethnically distinct samples. <i>American Journal of Medical Genetics Part A</i> , 2000, 96, 123-127.	2.4	100
65	Adenosine deaminase alleles and autistic disorder: Case-control and family-based association studies. <i>American Journal of Medical Genetics Part A</i> , 2000, 96, 784-790.	2.4	54
66	Deafferentation-induced apoptosis of neurons in thalamic somatosensory nuclei of the newborn rat: critical period and rescue from cell death by peripherally applied neurotrophins. <i>European Journal of Neuroscience</i> , 2000, 12, 2281-2290.	1.2	33
67	Differential regulation of adenosine A1 and A2A receptors in serotonin transporter and monoamine oxidase A-deficient mice. <i>European Neuropsychopharmacology</i> , 2000, 10, 489-493.	0.3	20
68	Adenosine deaminase alleles and autistic disorder: Case-control and family-based association studies. <i>American Journal of Medical Genetics Part A</i> , 2000, 96, 784-790.	2.4	4
69	BDNF and NT-3 applied in the whisker pad reverse cortical changes after peripheral deafferentation in neonatal rats. <i>European Journal of Neuroscience</i> , 1998, 10, 3194-3200.	1.2	14
70	Identification and Characterization of a Bovine Neurite Growth Inhibitor (bNI-220). <i>Journal of Biological Chemistry</i> , 1998, 273, 19283-19293.	1.6	141
71	Implants for sustained drug release over the somatosensory cortex of the newborn rat: a comparison of materials and surgical procedures. <i>Journal of Neuroscience Methods</i> , 1997, 76, 105-113.	1.3	10
72	Inhibition of PC12 Cell Attachment and Neurite Outgrowth by Detergent Solubilized CNS Myelin Proteins. <i>European Journal of Neuroscience</i> , 1995, 7, 2524-2529.	1.2	27

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73	Serotonin-mediated endocytosis of apCAM: an early step of learning-related synaptic growth in Aplysia. <i>Science</i> , 1992, 256, 645-649.	6.0	310
74	Modulation of an NCAM-related adhesion molecule with long-term synaptic plasticity in Aplysia. <i>Science</i> , 1992, 256, 638-644.	6.0	373
75	Neuron-specific membrane glycoproteins promoting neurite fasciculation in Aplysia californica.. <i>Journal of Cell Biology</i> , 1990, 111, 2637-2650.	2.3	48
76	Long-term Facilitation in Aplysia: Persistent Phosphorylation and Structural Changes. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1990, 55, 187-202.	2.0	37
77	A membrane glycoprotein associated with the limbic system mediates the formation of the septo-hippocampal pathway in vitro. <i>Neuron</i> , 1989, 3, 551-561.	3.8	78
78	Muscarinic receptors on cultured cells of rat hippocampus: cholinergic regulation and presence of subtypes. <i>European Journal of Pharmacology</i> , 1989, 160, 1-9.	1.7	1
79	Developmental and regeneration-associated regulation of the limbic system associated membrane protein in explant cultures of the rat brain. <i>Neuroscience</i> , 1989, 28, 455-474.	1.1	26
80	Organotypic culture of central histamine neurons. <i>Brain Research</i> , 1988, 442, 166-170.	1.1	15
81	Strain-specific development of the mossy fiber system in organotypic cultures of the mouse hippocampus. <i>Neuroscience Letters</i> , 1988, 87, 7-10.	1.0	16
82	Choline and acetylcholine metabolism in slice cultures of the newborn rat septum. <i>Brain Research</i> , 1987, 405, 305-312.	1.1	17
83	Selective kainic acid lesions in cultured explants of rat hippocampus. <i>Acta Neuropathologica</i> , 1987, 74, 183-190.	3.9	32
84	Muscarinic receptors in slice cultures of rat brain. <i>Neuropharmacology</i> , 1986, 25, 221-226.	2.0	8
85	The organization of intrinsic hippocampal connections in explants of rat hippocampus studied by topical application of HRP crystals. <i>Brain Research</i> , 1986, 380, 191-195.	1.1	13
86	Development of cholinergic projections in organotypic cultures of rat septum, hippocampus and cerebellum. <i>Developmental Brain Research</i> , 1985, 19, 267-278.	2.1	41
87	Slice cultures confirm the presence of cholinergic neurons in the rat habenula. <i>Neuroscience Letters</i> , 1984, 52, 299-304.	1.0	10
88	Choline acetyltransferase in organotypic cultures of rat septum and hippocampus. <i>Neuroscience Letters</i> , 1983, 42, 273-278.	1.0	22
89	Quantification in macroscopic autoradiography with carbon-14â€”An evaluation of the method. <i>The International Journal of Applied Radiation and Isotopes</i> , 1982, 33, 1427-1432.	0.7	15